

## INTERNATIONAL SEARCH REPORT

National Application No.

PCT/US2004/023163

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 H04L12/28

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)  
EPO-Internal, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2002/116338 A1 (GONTHIER JEAN-CHARLES ET AL) 22 August 2002 (2002-08-22) abstract figures 1-3 paragraph '0009! - paragraph '0012! paragraph '0018! paragraph '0025! - paragraph '0046!	1-30
Y	EP 1 320 214 A (MARKPORT LTD) 18 June 2003 (2003-06-18) abstract paragraph '0001! - paragraph '0005! paragraph '0022! - paragraph '0025! ----- -/--	1-30



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*Z\* document member of the same patent family

Date of the actual completion of the international search

17 November 2004

Date of mailing of the international search report

06/12/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Wolf, W

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/US2004/023163

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WEI-LING WANG ET AL: "A protocol for billing mobile network access devices operating in foreign networks" PROCEEDINGS - THE WORKSHOP ON ENABLING TECHNOLOGIES: INFRASTRUCTURE FOR COLLABORATIVE ENTERPRISES, IEEE COMPUTER SOCIETY PRESS, LOS ALAMITOS, CA, US, 17 June 1998 (1998-06-17), pages 262-268, XP002145933 ISSN: 1080-1383 paragraphs '0004! - 'PROTOCOL! -----	1-30
A	EP 1 246 445 A (NORTEL NETWORKS LTD) 2 October 2002 (2002-10-02) paragraph '0010! -----	1-30

BEST AVAILABLE COPY

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US2004/023163

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 2002116338	A1	22-08-2002	WO	02067498 A1	29-08-2002
EP 1320214	A	18-06-2003	EP	1320214 A1	18-06-2003
EP 1246445	A	02-10-2002	EP	1246445 A1	02-10-2002
			WO	02078316 A2	03-10-2002
			EP	1371220 A2	17-12-2003
			US	2004102182 A1	27-05-2004

BEST AVAILABLE COPY